

Appl. No. 10/080,622
Amdt. Dated April 27, 2005
Reply to Office Action of March 8, 2005

Docket No. IRI05465
Customer No. 23330

Amendments to the Claims:

1. (Currently Amended) A message compression method comprising the steps of:
pre-placing a message template at a far end communication system of a communication link;
generating a compressed message related to the template message, wherein generating comprises:
providing a service request message identifier within the compressed message;
providing a template on/off flag within the compressed message; and
providing a template index within the compressed message, wherein generating the compressed message references the message template at the far end communication system without using the message template to generate the compressed message;
transmitting by a near end communication system ~~at~~the compressed message related to the message template; and
producing at the far end communication system an uncompressed message.
2. (Original) A message compression method as claimed in claim 1, wherein the step of producing includes the step of combining the message template and the compressed message.
3. (Original) A message compression method as claimed in claim 2, wherein the step of combining includes the step of determining by the far end communication system that the compressed message is a request for a message template.
4. (Original) A message compression method as claimed in claim 3, wherein the step of combining further includes the step of obtaining a template index from the compressed message to indicate an identity of a requested message template.
5. (Original) A message compression method as claimed in claim 4, wherein the step of combining further includes the step of determining by the far end communication system whether the compressed message indicates whether additional parameters are present.

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6. (Original) A message compression method as claimed in claim 5, wherein the step of combining further includes the steps of:
- if the additional parameters are present:
 - removing each additional parameter from the compressed message; and
 - inserting each additional parameter into the message template.
7. (Original) A message compression method as claimed in claim 6, wherein there is further included a step of iterating the steps of removing and inserting for each additional parameter.
8. (Currently Amended) A message compression method as claimed in claim 1, wherein the step of ~~transmitting~~ generating includes the step of generating the compressed message by a template processing function at the near end communication system.
9. (Cancelled)
10. (Currently Amended) A message compression method as claimed in claim 9~~1~~, wherein the step of generating further includes the steps of:
- providing an additional parameters are present flag within the compressed message; and
 - providing additional parameters within the compressed message.
11. (Original) A message compression method as claimed in claim 1, wherein the step of pre-placing includes the step of transmitting an uncompressed message by the near end communication system.
12. (Original) A message compression method as claimed in claim 11, wherein the step of pre-placing includes the step of storing the uncompressed message as a template by a template processing function of the far end communication system.
13. (Original) A message compression method as claimed in claim 1, wherein the message compression method is provided within a Session Initiation Protocol communication system.

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14. (Original) A message compression method as claimed in claim 1, wherein the near end communication system and far end communication system are radio frequency communication systems.
15. (Original) A message compression method as claimed in claim 1, wherein:
the near end communication system comprises a client SIP application or a server SIP application; and
the far end communication system comprises a client SIP application or a server SIP application.
16. (Currently Amended) A SIP message compression method for a mobile unit comprising the steps of:
pre-placing a message template at a server;
generating a compressed message related to the template message, wherein generating comprises:
providing a service request message identifier within the compressed message;
providing a template on/off flag within the compressed message; and
providing a template index within the compressed message, wherein generating the compressed message references the message template at the server without using the message template to generate the compressed message;
transmitting by the mobile unit the compressed message over an RF link, ~~the compressed message related to the message template;~~ and
combining by the server the compressed message and the message template to produce an uncompressed message.
17. (Original) The SIP message compression method as claimed in claim 16, wherein the step of pre-placing includes the steps of:
transmitting by the mobile unit the message template; and
storing the message template by a template processing function of the server.

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18. (Currently Amended) The SIP message compression method as claimed in claim 16, wherein the step of ~~transmitting~~ generating includes the step of generating the compressed message by a template processing function of the mobile unit.
19. (Cancelled)
20. (Currently Amended) The SIP message compression method as claimed in claim ~~19~~16, wherein the step of generating further includes the steps of:
providing an additional parameters are present flag within the compressed message; and
providing additional parameters within the compressed message.
21. (Currently Amended) The SIP message compression method as claimed in claim ~~17~~6, wherein the step of combining includes the steps of:
determining by the template processing function of the server whether a compressed message is received; and
determining by the template processing function of the server which message template is related to the compressed message.
22. (Original) The SIP message compression method as claimed in claim 21, wherein there is further included the steps of:
removing parameters from the compressed message by the template processing function of the server; and
inserting the removed parameters into the message template by the template processing function of the server.
- 23-29 (Cancelled)